LIQUID CRYSTAL DISPLAY DEVICE AND ITS PRODUCTION

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Abstract

PURPOSE: To enable the formation of low-resistance scanning signal electrodes and external connecting terminate having la corrosion resistance to be realized and to prevent the disconnection of upper wintings so as to improve yield, by forming a second conductive film of a material which is higher in the coefft, of volumetric expansion at the time of growth of a selfanodized film than a first conductive film.

CONSTITUTION:At least the signal electrode formed in the lower layer between the scanning signal electrodes 11 and video signal electrodes 14 consist of at least the two layers, that is, the first conductive film made of an alloy film having as main component or AI and the second conductive film formed in the lower layer of the first conductive film. In addition, the second conductive film is constituted of the material which is higher in the coefft. of volumetric expansion at the time of growth of the self-anotized film finan the first conductive film. The volumetric expansion according to the growth of the oxidized film from the second conductive film is larger than the volumetric expansion according to the growth of the oxidized film from the first conductive film and, therefore, an overhung state after the anodic oxidation is eliminated and the level difference formed by laminated the lower cost are realized.

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